ACTi
Connecting Vision

# Quick Installation Guide

200-Channel 8-Bay RAID Rackmount Standalone NVR

INR-410

INR-420

www.acti.com

# BEFORE YOU START

Thank you for purchasing ACTi INR Series product. This guide contains all the information you need to quickly setup INR server system via local display interface. For detailed instructions on installation or operations, please refer to System Administrator's Manual or User's Manual on ACTi corporate website http://www.acti.com.

The items below are prerequisite for installation:

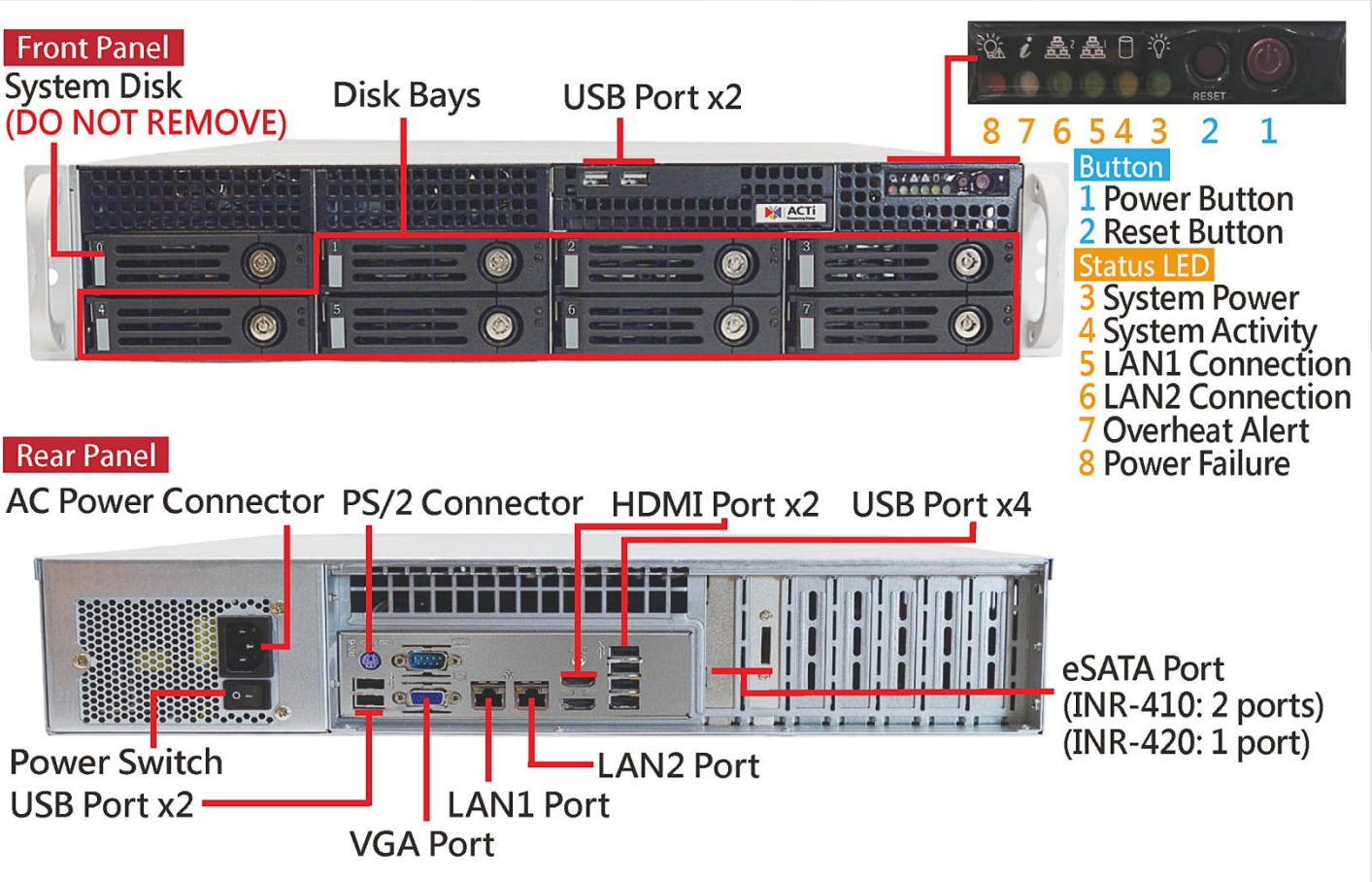
- Network Cameras
- RJ-45 network cables
- Network Switch
- Mouse
- Keyboard
- Monitor (VGA or HDMI)
- At least one certified 3.5-inch SATA disk for recording. Please use the hard disks ACTi tested to be comptabile with INR. You may find the certified disk models via **ACTi Hard Disk Selector** http://www.acti.com/hddselector

## 01 UNPACK

The package includes the following items:

- INR x 1
- Power Cord x 1
- Adapter Converter x 1
- Front Cover x 1
- HDD Tray Key x 4
- HDD Screw Pack x 1
- Warranty Card x 1
- Quick Installation Guide x 1

## 02 AT A GLANCE



# 03 RACKMOUNT THE UNIT

1. Make sure there is 2U space in your rack.
2. Install the sliding rail kit (optional accessories), align the unit with the rack, slide it into position, and secure both handles to the rack with screws.

NOTE: A **Sliding Rail Kit** for INR-410/420 is offered as an optional accessory to make system maintenance easier.

Sliding Rail Kit

# 04 INSTALL HARD DISKS

Insert the hard disks into the **Disk Bays** following the sequence of **Tray** numbers, and then attach the front cover.

## Remove the Tray

**Step 1**
Slide the **Key Lock** aside, the **Latch Lever** will pop out by itself.

**Step 2**
Hold the **Latch Lever** to pull out the tray.

## Mount the Disk

**Step 3**
Loosen the two screws on the **Tray** to remove the dummy disk. Secure the hard disk on the **Tray** with the disk screws provided. Make sure the disk connector faces towards the SATA contacts inside the unit.

## Install the Tray

**Step 4**
Press on **Key Lock**, push the tray into the **Bay** until it stops.

**Step 5**
Press on the **Latch Lever** until it clicks into place.

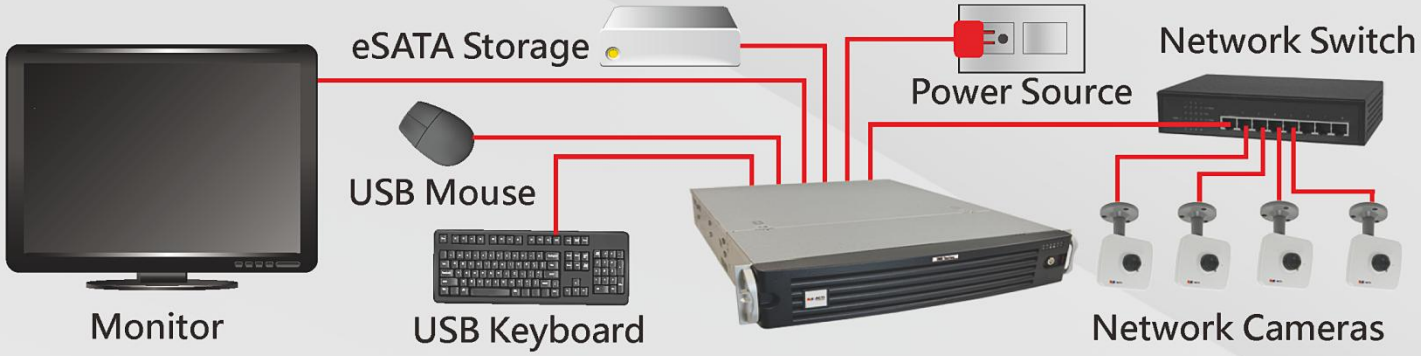
## Attach the Front Cover

**Step 6**
Align the left end hooks of the cover to the holes on the left handle.

**Step 7**
Press the latch and push the right end toward the right handle until it clicks into place.

# 05 CONNECT THE DEVICES

The example below displays a local network consisting of only INR, network cameras and required peripherals. Remeber to enable the DHCP function in your network for INR recording server to obtain an IP address. You may also change INR's IP address to a static one.



# 06 START-UP

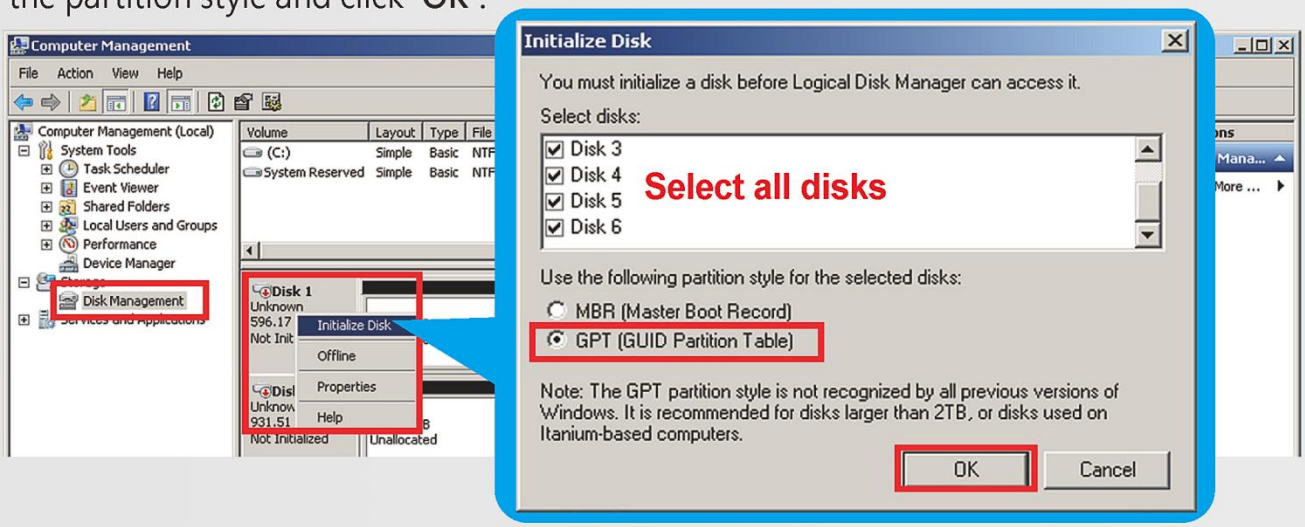
1. On rear panel, press down the **Power Switch** to the side with "I" mark.
2. On front panel, press down **Power Button** to turn on the unit.
3. As this unit starts up, you will enter Windows operation system directly.

# 07 CREATE SOFTWARE RAID (INR-410)

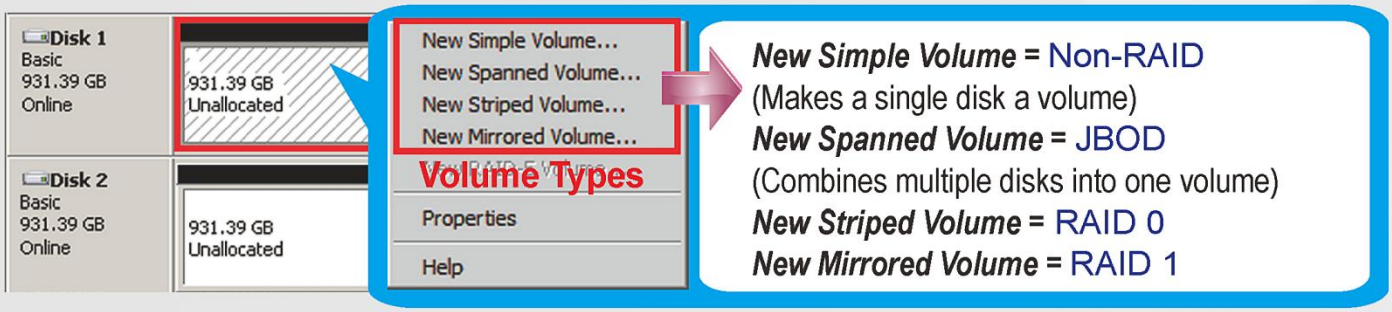
Use Windows **Disk Management** to create disk volumes before INR can start recording, and create the software Raid on multiple disks in the mean time.

1. In **Windows Search Box**, input "*Computer Management*", and enter this utility.

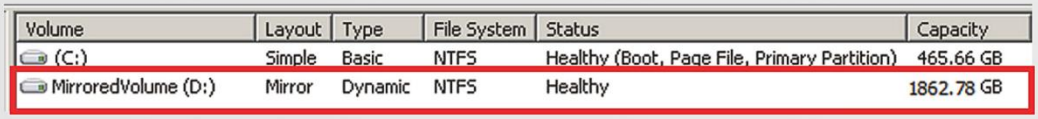
2. Select "**Disk Management**", right-click on a disk title and select "**Initialize Disk**", choose **GPT** as the partition style and click "**OK**".




3. Right-click on an initialized disk and select the Volume (software RAID) type to make a new volume. Make sure you assign the desired Drive Letter and Volume Label to this volume via this wizard. Repeat this step to create other volumes you need.




4. After the volume is created, this drive is shown on volume list, which is ready for recording.



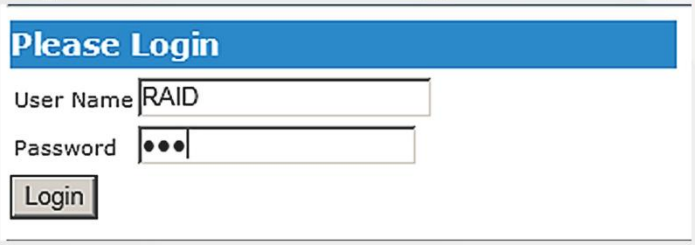
| Volume | Layout | Type | File System | Status | Capacity |
|---|---|---|---|---|---|
| (C:) | Simple | Basic | NTFS | Healthy (Boot, Page File, Primary Partition) | 465.66 GB |
| MirroredVolume (D:) | Mirror | Dynamic | NTFS | Healthy | 1862.78 GB |

NOTE: It is recommended to select disks of the same model and capacity to make a **Striped** volume or a **Mirrored** volume.

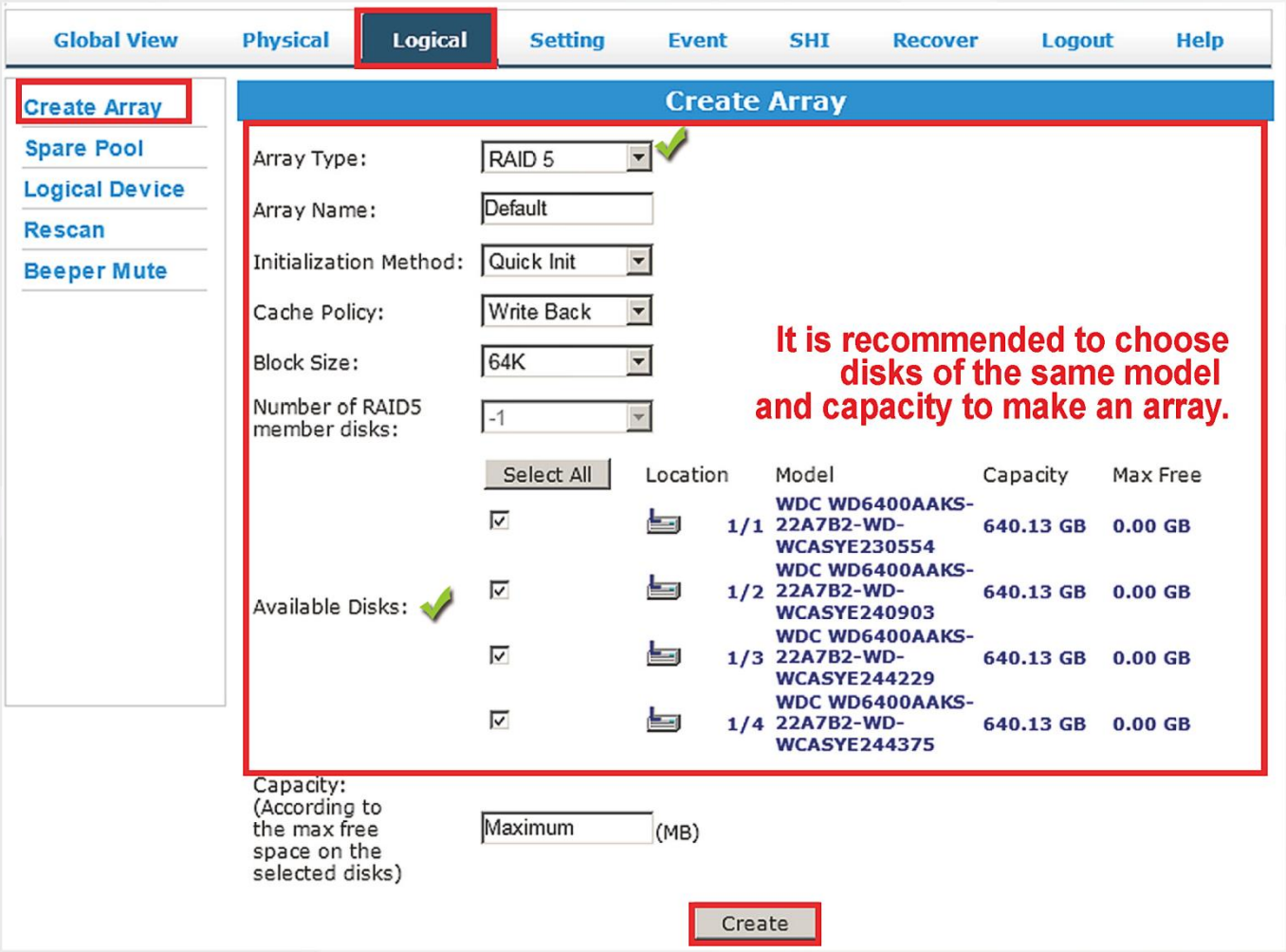
# 07 CREATE HARDWARE RAID (INR-420)

As **INR-420** supports harware RAID including **RAID 0**, **RAID 1**, **RAID 5**, **RAID 1/0**, and **RAID 5/0**, the creation of disk arrays is done with the bundled software **HighPoint Web RAID**. Afterwards, please create disk volumes before INR can start recording.

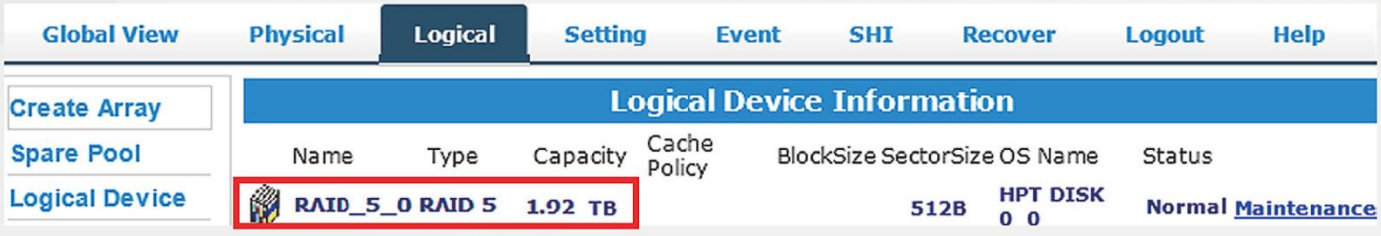
1. On Windows Desktop, double-click the shortcut to initialize **HighPoint Web RAID Management Software**.
2. Login with default username/password: RAID/hpt




3. Select Logical then Create Array, create an array by selecting its **Array Type** and disks, and then click "**Create**".



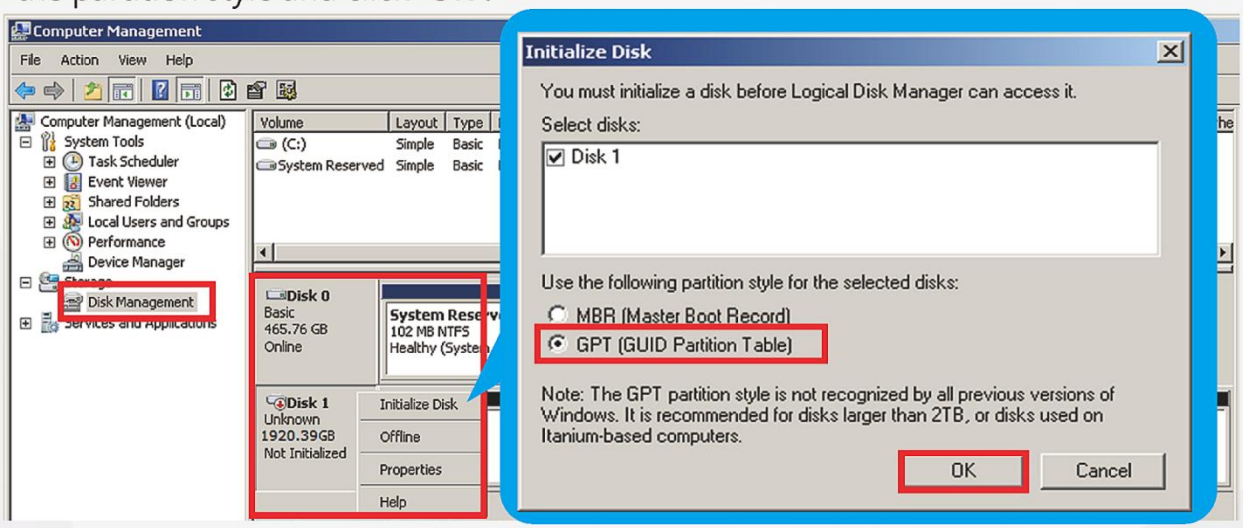

Select Logical again, the new array will appear on **Logical Device Information** list.



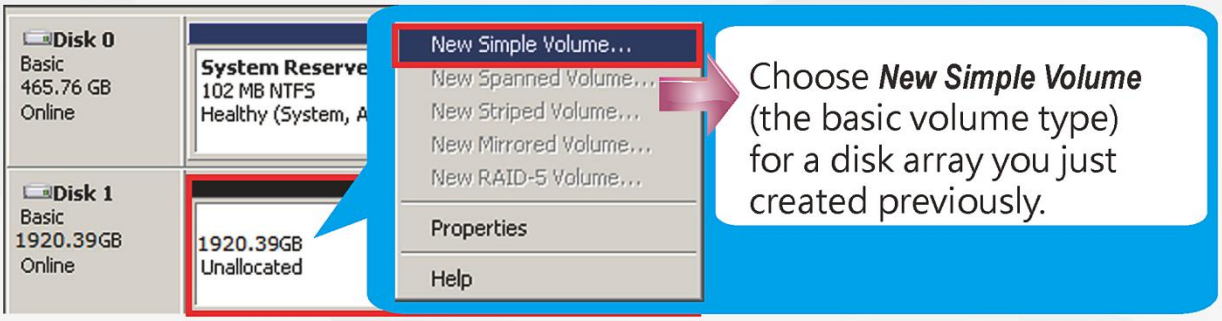
Use Windows **Disk Management** to create disk volumes. In this step, you will make an array a volume, which can be recognized by INR as an availible disk drive.

**4** In **Windows Search Box**, input "*Computer Management*", and enter this utility.

**5.** Select "**Disk Management**", right-click on a disk title and select "**Initialize Disk**", choose **GPT** as the partition style and click "**OK**".




**6.** Right-click on an initialized disk and select the Volume type to make a new volume. Make sure you assign the desired Drive Letter and Volume Label to this volume via this wizard. Repeat this step to create other volumes if you need.




**7.** After the volume is created, this drive is shown on volume list, which is ready for recording.

| Volume | Layout | Type | File System | Status | Capacity |
|---|---|---|---|---|---|
| (C:) | Simple | Basic | NTFS | Healthy (Boot, Page File, Primary Partition) | 465.66 GB |
| (D:) | Simple | Basic | NTFS | Healthy (Primary Partition) | 1920.39 GB |

NOTE: For detailed instructions on choosing the RAID types and troubleshooting hard disk issues, please refer to System Administrator's manual provided on ACTi official website http://www.acti.com/product/category/Standalone_NVR

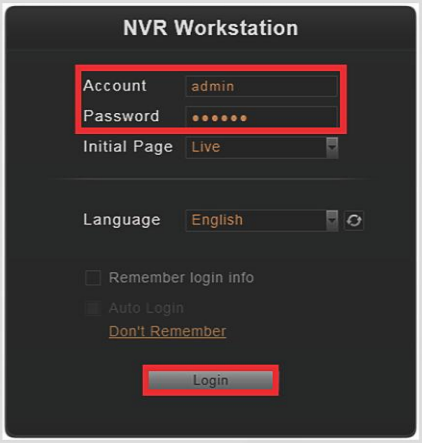
NOTE: Before removing or inserting the hard disk trays, please make sure the unit is turned off. The hard disks may be damaged if you move the trays while the unit is in operation.

# 08 LOGIN

On **Windows Desktop**, double-click

to enter NVR interface. Enter default account/password and click "**Login**".

**Account: admin**
**Password: 123456**

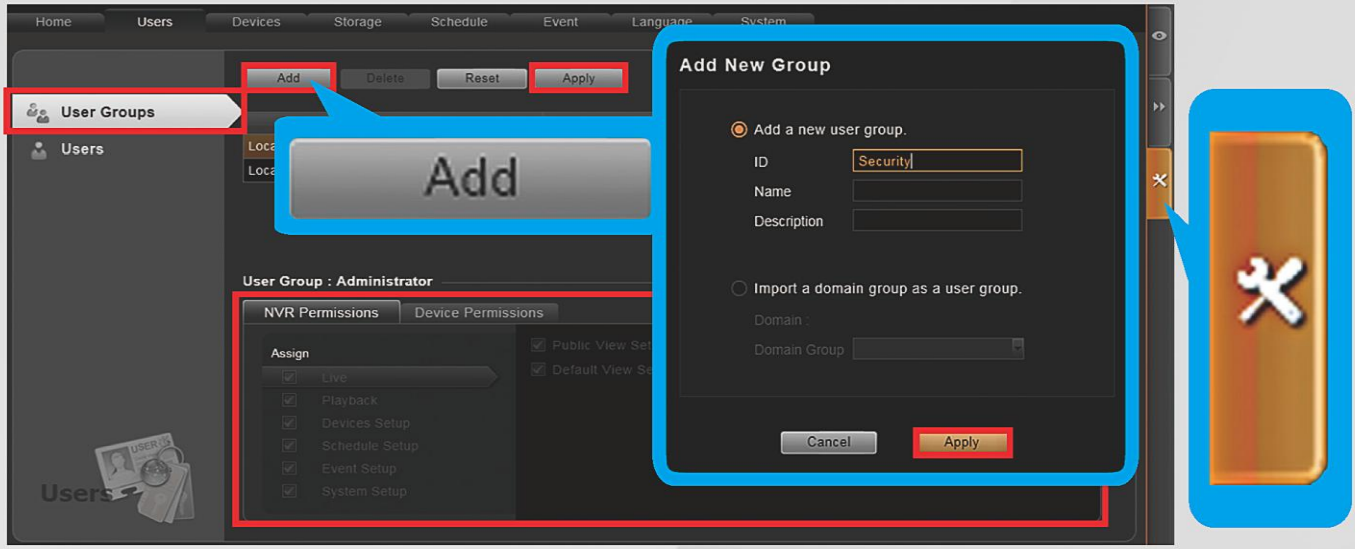



# 09 CREATE USERS

On NVR screen, click **Setup** button to go to **Setup** page, then **Users** tab.

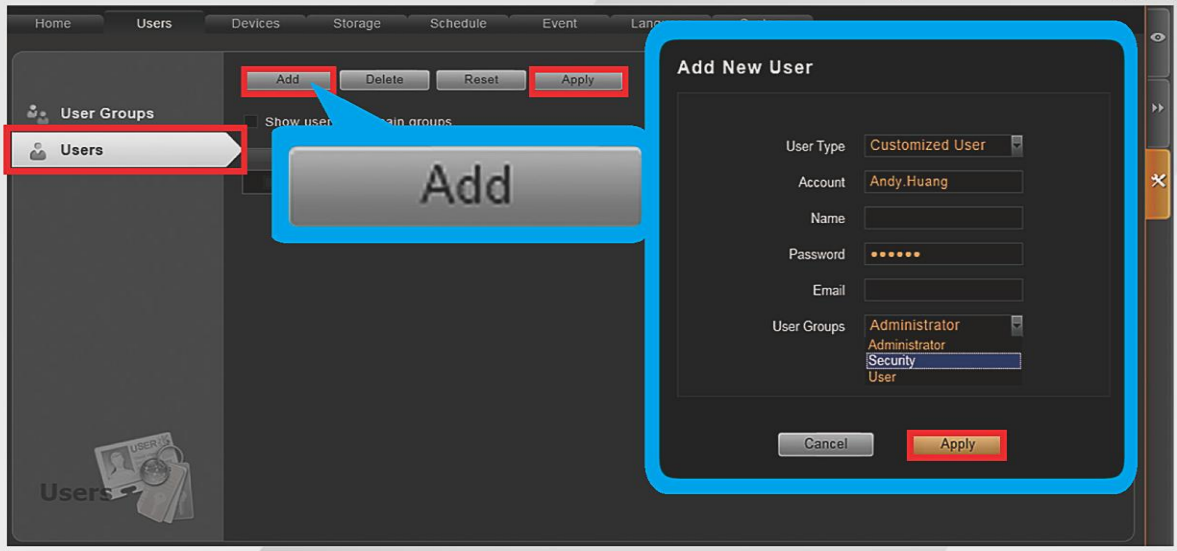
- Create a User Group

1. Select "**User Groups**", click "**Add**".
2. Enter group **ID** and click "**Apply**".
3. Configure user group permissions and click "**Apply**" .



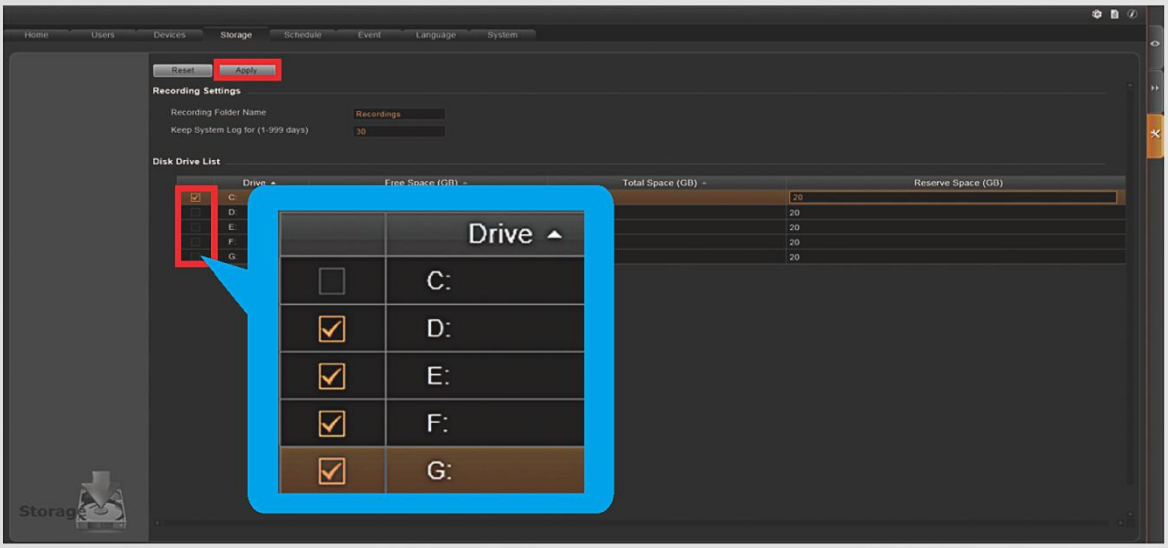

- Create a User Account

1. Select "**Users**", click "**Add**".
2. Enter user's **Account**, **Password** and select its **User Group**, and click "**Apply**".



# 10 SELECT STORAGE DISKS

1. Go to **Setup** page then **Storage** tab.
2. On **Disk Drive List**, de-select **C Drive**, and select other storage disk drives.



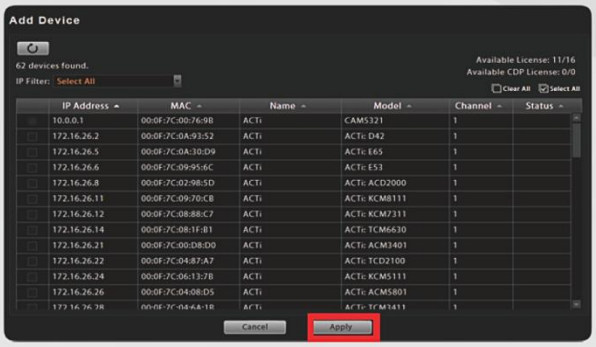

3. Click "**Apply**".

# 11 ADD DEVICES

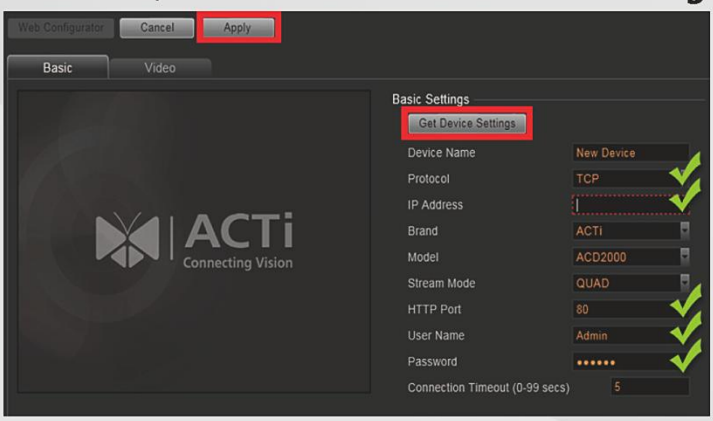
1. Go to **Setup** page then **Devices** tab.
2. On **Devices** tab, click "**Add Device**".

3. Choose a search method based on your network settings.

- In LAN:
Select "**Search Devices**" to auto-search the network. Choose your desired devices and click "**Apply**".

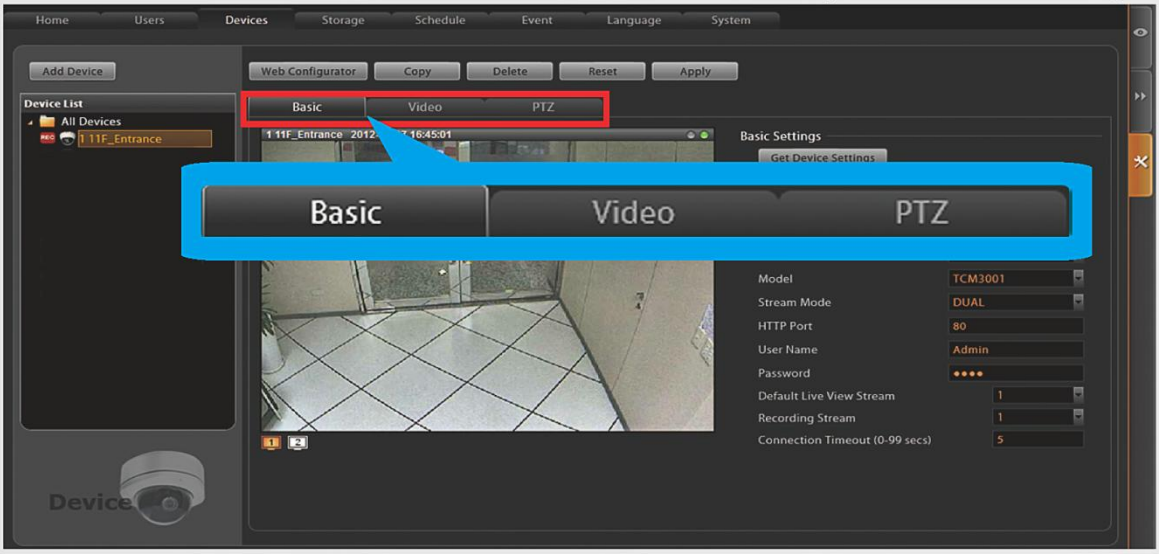



- Cross-LAN or WAN:
Select "**Add Device Manually**",fill in **Protocol, IP Address, HTTP Port, User Name** and **Password**, and then click "**Get Device Settings**"



# 12 SET CAMERAS

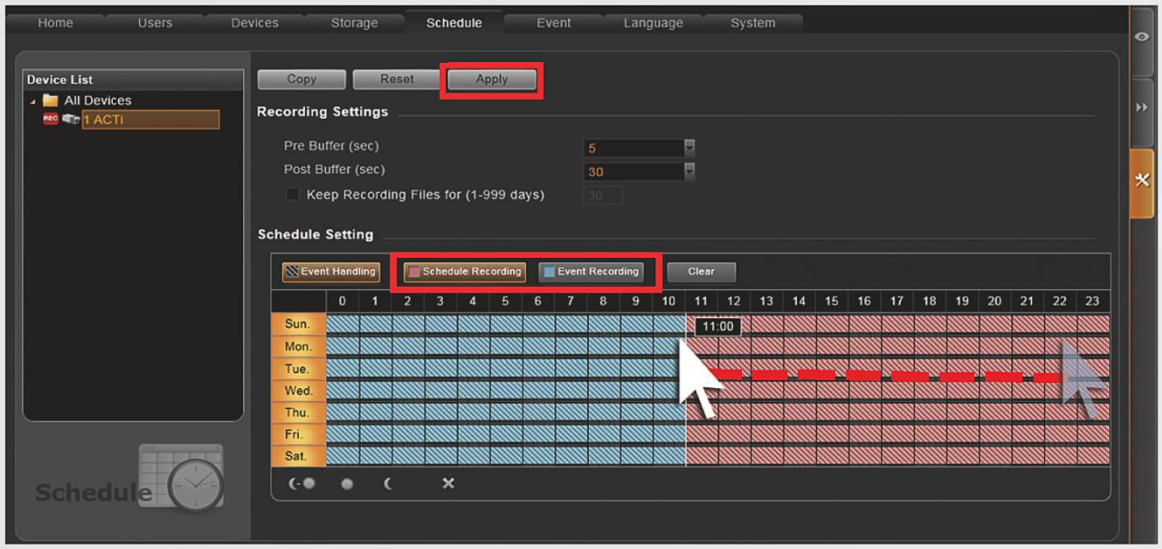
1. Go to **Setup** page then **Devices** tab. Choose the device from **Device List**.
2. Enter **Basic / Video / PTZ / Preset Tour** tabs to configure camera settings.




# 13 SET RECORDING SCHEDULE

INR recording server automatically starts full-time schedule recording as soon as a device is added in **Step 11**.

1. Go to **Setup** page then **Schedule** tab. Select the device from **Device List**.
2. Choose recording mode - Event Recording or Schedule Recording
   - Event Recording: Records video upon being triggered by motions or external inputs.
   - Shedule Recording: Records continuously during the scheduled session.




3. Drag on time table.

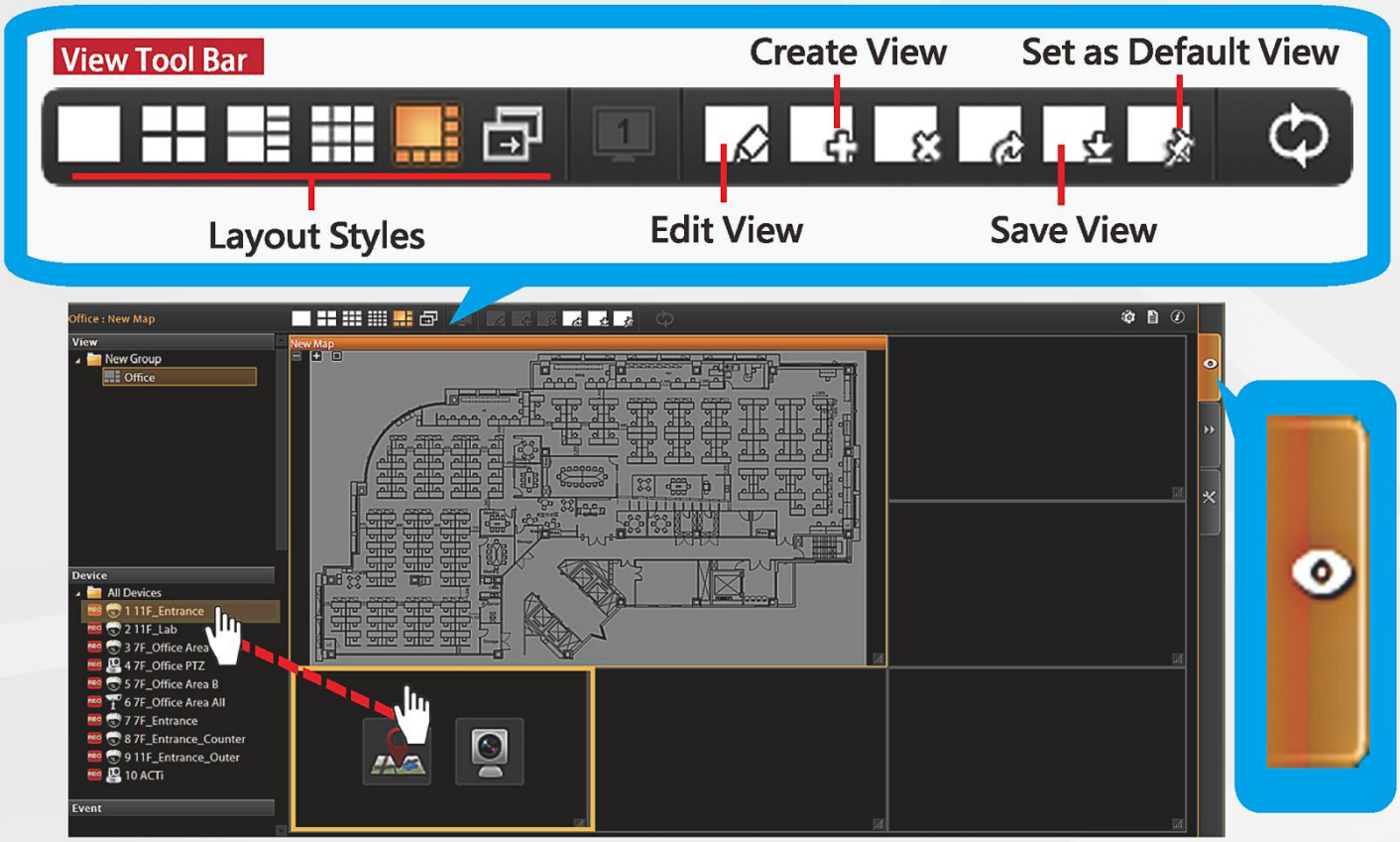
4. Click "**Apply**".

## Technical Support

If you have any questions during system installation, please feel free to contact our engineers via **ACTi Customer Help Desk platform** http://www.acti.com/CHD

# 14 CUSTOMIZE LAYOUTS

1. Go to **Live View** page. On top of the screen, click on **View Tool Bar** to create a new layout, then click to enter edit mode.
2. Select a layout style.
3. ●To add a camera view:
   Pull a device from **Device List** to a channel.
   ● To add a map view:
   Select a channel and click , upload the map, drag the lower right corner to adjust channel size.
4. On **View Tool Bar**, click to save the view.
5. Click to set this view as default live view.




# 15 VALIDATION

1. To check live streaming, go to **Live View** page, select a view from **View List** or a camera from **Device List**.

2. To check recording, go to **Playback** page, select certain view from **View List** or a camera from **Device List**. Drag on the time bar to see the recorded video.